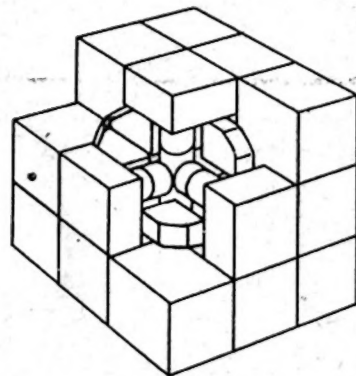


How does it work?

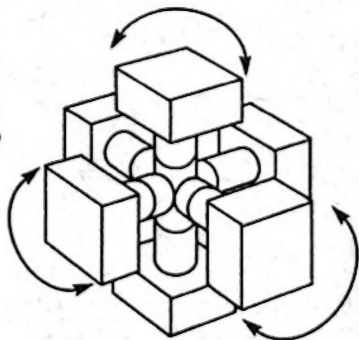
The ingenious mechanism that allows all 6 faces of the cube to rotate is so simple one is tempted to ask, "Why didn't I think of it?" The difficulty is, of course, in figuring it out for the first time.

It appears that all the small cubes can move about; in fact, however, only the cubes on the corners and edges actually move. The center cubes are fixed and can only rotate in place. This is the key to understanding the mechanism.

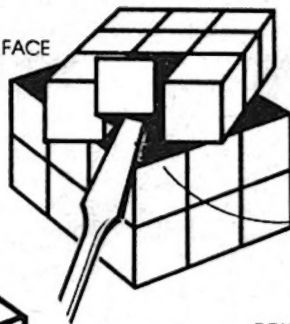


PEEKING INTO
THE CUBE

CENTER CUBES
ARE FIXED AND
ONLY ROTATE
IN PLACE



ROTATE TOP FACE
1/8 TURN TO
TAKE APART

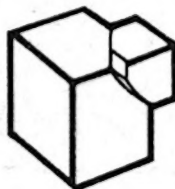


ROUNDED TABS OF CUBES
RIDE ALONG CURVED TRACK
FORMED BY BACKS OF OTHER
CUBES IN EACH PLANE.
PRESSURE EXERTED BY EACH
HOLDS NEIGHBORING
CUBES IN PLACE. THIS
RESPONSIBILITY IS SHIFTED
TO THE NEXT ADJACENT CUBE
WHEN CHANGING PLANES.
IT'S INGENIOUS!

EDGE CUBE
WITH TAB



CORNER CUBE
WITH TAB



Each center cube is on the end of an axle. The corner and edge cubes are not attached to anything and move about the center cubes.

You may ask, "Why doesn't it just fall apart?" In fact, it can be taken apart quite easily. Simply turn one face one-eighth turn and either pull out one of the edge cubes on that face or pry it out with a screwdriver. It helps to pull the face you turned away from the rest of the cube. The remaining cubes can now be easily removed to reveal the central mechanism.

The cube does not fall apart by itself because the edge and corner cubes hold each other in place in a remarkable feat of cooperation! If you take the cube apart this way, be sure to put it back together with solid colors on all 6 faces. Otherwise, you may never be able to solve the puzzle unless you take the cube apart again.